Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 30 Dec 2024 until 23:59 on Tuesday 31 Dec 2024

Forecast Issued on Sunday 29 Dec 2024 at 15:46

Confidence: High for unsettled conditions into the New Year, but lower for details with regard to southward extent more persistent rain Monday. Confidence for details very low Wednesday due to uncertainties in the track of a low, currently expected to move east just south of the Lake District.

Headline for Monday 30 Dec 2024: Cloudy with outbreaks of rain and drizzle. Windy.

Mountain weather hazards on Monday 30 Dec 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Drizzle	Cloudy	Cloudy	Light rain	Light rain	Light rain	Cloudy
Precipitation probability							
30%	50%	40%	30%	50%	50%	60%	30%

Forecast for Monday 30 Dec 2024

Weather: Rather cloudy with, especially across western and southern fells, occasional drizzle, the best of any brighter spells expected in the east. Towards midday a band of more persistent rain, with a little wintriness on higher fells, is expected to edge into northern parts, this more persistent rain then edging away north through the late afternoon and evening with, especially in east, some clearer spells developing.

Chance of cloud-free hill tops above 800m: Little chance for most, but around 25% across eastern fells through the morning and again in the evening.

Low cloud and visibility: Periods or persistent around 450-600m, with patches below in rain and drizzle, but more occasional above 600-750m at times across eastern fells through the morning and again in evening. Away from cloud visibility good falling to several kilometres in rain and drizzle, and perhaps a kilometre in any wintriness.

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Mountain Weather Forecast

Forecast for Monday 30 Dec 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	45/56 SW	45/56 SW	50/63 SW	50/63 SW	50/63 SW	46/58 SW	43/54 SW	40/51 SW	43/57 SW
600	36/49 SW	36/49 SW	41/55 SW	42/57 SW	41/55 SW	36/49 SW	33/45 SW	31/44 SW	35/50 SW
300	15/38 SW	15/38 SW	16/42 SW	17/44 SW	17/43 SW	15/38 SW	14/35 SW	14/33 SW	16/39 SW
Valley	15/35 SW	14/35 SW	15/38 SW	17/39 SW	16/38 SW	13/33 SW	13/33 SW	14/31 SW	18/37 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-6	2/-6	2/-6	2/-7	2/-7	2/-6	2/-6	3/-5	2/-6
600	5/-2	4/-2	4/-3	4/-4	4/-3	4/-3	4/-2	5/-2	4/-2
300	7/3	7/3	6/2	6/2	6/2	6/2	6/2	6/3	6/2
Valley	9/5	9/5	8/5	8/5	8/5	8/5	8/5	8/5	9/5
Freezing Level*	1400m	1400m	1400m	1400m	1900m	2000m	2000m	1800m	1500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Significant chill effect with southwesterly gales, gusts around 70mph possible over ridges and summits.

Forecast for Tuesday 31 Dec 2024

Weather: Most cloudy overnight with further patchy drizzle, perhaps a few clearer spells in the east. Then a cloudy morning with outbreaks of occasionally heavy rain spreading east, the rain clearing to sunny spells and showers in the afternoon. The showers, perhaps wintry on the higher summits, dying out in the evening.

Maximum wind: Southwesterly, veering westerly in the afternoon, 35-45mph, with gusts around 70mph over ridges and summits, with a significant chill effect.

Chance of cloud-free hill tops above 800m: Little chance through the morning becoming 75% in the afternoon.

Low cloud and visibility: Periods or persistent cloud above 450-600m, with patches below in rain and drizzle, becoming occasional above 600-750m in the afternoon. Away from cloud visibility good falling to several kilometres in rain and drizzle, and perhaps a kilometres in any summit wintriness, becoming mainly excellent in the afternoon.

Temperature:
Valleys: Plus 6 or 7 Celsius rising to plus 10 Celsius by day, falling to plus 3 or 4 Celsius later
At 800m: Around plus 3 Celsius falling to zero Celsius through the late afternoon and evening
Freezing level: Above the summits falling to around 800m through the late afternoon and evening.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 29 December 2024. Location: Helvellyn summit at 10:45 UTC. Full report: The Helvellyn summit saw similar conditions today as yesterday, it was damp with a moderate wind and, despite the wind-chill being around -4.1 C, the mountain through to summit level remained above freezing and snow and ice free on all routes, the visibility was very poor in the cloud above 600m. Currently crampons and ice axes are not required for any routes on Helvellyn or other Lakeland Fells, however full winter clothing is definitely needed and safety essentials like a good head torch and group shelter plus warm additional layers are a really good idea. The combination of the cool wind and the damp conditions we are currently experiencing can rapidly cool you down and easily bring on hypothermia. Let's hope that after a couple of wet days to come the cold front forecast delivers some snow and good winter conditions to the mountain in the New Year! Temperature: plus 3.2 C, Maximum wind speed 28.4 mph, Wind chill: minus 4.1 C, Average wind speed: 20.0 mph

Issued at: 1546 on Sun 29 Dec 2024

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